

Intelligent Transportation and Environmental System

Objectives

The Intelligent Transportation and Environmental System Symposium of UKC 2009 is a main venue for Engineers and Scientists from both Korea and the US to share recent advances in Transportation, Water, Ocean and Environmental Engineering. Primary areas are transportation infrastructure and system, green highway, water resources, hydraulics, ocean engineering, and environmental engineering, etc. The main emphasis is in sustainability

Scope

This symposium plans to have six sessions and one poster session. Six sessions will be primarily for oral presentations. However, each session may include typically one keynote speech and a panel discussion. The symposium will also have one poster session.

Topics

- 1) Intelligent Transportation Infrastructure (ITI): Areas to be included are roads and bridges, superpave asphalt system, elasto-visco-plastic modeling, and transportation infrastructure management system, etc.
- 2) Intelligent Transportation System (ITS): Areas to be included are traffic engineering, operation, and smart highway etc.
- 3) Sustainable Green Roadway: Areas to be included are roadside design, recycling, and energy efficiency, etc
- 4) Sustainable Water Resource System: Areas to be included are surface water, ground water, non-point source pollution, etc.
- 5) Innovative Hydraulics and Ocean System: Areas to be included are hydraulic structures for flood control, ocean wave and harmony search algorithm, etc.
- 6) Sustainable Environmental System: Areas to be included are environmental management system, non-destructive inspection and repair of sewer system, and solid waste energy etc.
- 7) Poster Session: Areas to be included are Intelligent Transportation Infrastructure (ITI), Intelligent Transportation System (ITS), Sustainable Green Roadway, Sustainable Water Resource System, Innovative Hydraulics and Ocean System, and sustainable environmental system, etc.

Symposium Chair and Co-Chairs

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| Symposium Chair | |
| Kang-Won Wayne Lee (University of Rhode Island) | |
| Symposium Co-Chairs | |
| Hangsik Shin (Korean Advanced Institute of Science and Technology) | Kyungsoo Chon (Seoul National University) |

Session Co-Chairs and Committee Members

| Session Co-Chair | |
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| Intelligent Transportation Infrastructure (ITI) | Sang-Soo Kim (Univ. of Ohio) and Kwangho Lee (Korea Expressway Corp) |
| Intelligent Transportation System (ITS) | Brian Park (Univ. of Virginia) and Seung-Young Kho (SNU) |
| Sustainable Green Roadway | Hosin David Lee (Univ. Iowa) and Yeounbock Kim (KICT) |
| Sustainable Water Resource System | Il Whan Chung (Calif. Dept. of Water Resources) and Ilwon Seo (SNU) |
| Innovative Hydraulics and Ocean System | Zong Woo Geem (WESTAT) and Woon-Kwang Yeou (Myungji Univ.) |
| Sustainable Environmental System | Daniel Cha (Univ. of Delaware) and Mooyoung Han (SNU) |
| Poster Session | Kookjun Ahn (Calif. DOT) and Eun Namkung (Myungji Univ.) |
| Advisory Committee | |
| <p>Carl Monismith (UC Berkeley), YongBock Chang (Mass DOT), Steve Ro (Lee & Ro Inc.), Kwanghoi Kane Kim (UC Irvine), Joseph Coughlin (MIT), Robert McGennis (Navajo Western Asphalt Co.), George Monagjan (Bryant Assoc.), Jung-Ho Sunwoo (GIST), Chang-Ho Park (SNU), Youngju Cho (MOCT), Byung-Ro Kim (Myungji Univ.), Jong-Keun Pyun (Myungji Univ.), Byungsun Choi (Hangsung Univ.), Chul Ho Ryu (KEC), Jong Sang Lee (Korea Land Development Corp.), Ki Dae Yeum (KORDI), Youngseong Koo (KICTEP)</p> | |
| Program Committee | |
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